

PROJECT UNIT COST ANALYSIS

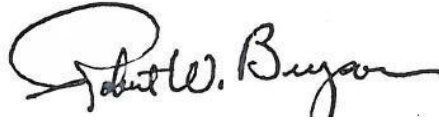
ESTIMATE OF QUANTITIES

PROJECT ID 2010-10-90
W. APPLETON AVENUE - W. CAPITOL DRIVE TO USH 45
USH 41
MILWAUKEE COUNTY

Item No.	Std. Bid Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
71033	SPV.0060.01	Opticom 711 Detector w/ Selector Card	Each	26	\$ 33,302.88	\$ 1,592.13	\$ 41,395.47
71035	SPV.0060.02	Opticom Confirmation Light Assembly	Each	26	\$ 1,082.38	\$ 218.30	\$ 5,675.92
71037	SPV.0105.01	Wireless Radio Interconnect Unit	LS	6	\$ 11,999.70	\$ 3,022.25	\$ 18,133.51
71040	SPV.0105.02	Vehicular Microwave Detection System	LS	5	\$ 37,800.00	\$ 9,858.44	\$ 49,292.21
71052	SPV.0060.03	Solid State Controller Installed	Each	6	\$ 56,970.42	\$ 13,307.43	\$ 79,844.56
71053	SPV.0060.04	ATC Controller Upgrade	Each	1	\$ 3,101.00	\$ 4,195.92	\$ 4,195.92
71055	658.0225	Backplates Signal Face 5 Section 12-inch	Each	3	\$ 165.00	\$ 86.41	\$ 259.24
71057	658.0215	Backplates Signal Face 3 Section 12-inch	Each	45	\$ 1,620.00	\$ 66.06	\$ 2,972.59
71060	658.0120	Traffic Signal Face 5-12 Inch Vertical	Each	6	\$ 2,357.70	\$ 544.36	\$ 3,266.18
71062	658.0110	Traffic Signal Face 3-12 Inch Vertical	Each	112	\$ 27,835.36	\$ 341.69	\$ 38,269.57
71065	658.0500	Pedestrian Push Buttons	Each	38	\$ 1,203.84	\$ 143.90	\$ 5,468.27
71066	658.0412	Pedestrian Signal Face 12-Inch	Each	66	\$ 8,765.46	\$ 201.42	\$ 13,293.61
71067	SPV.0060.05	Pedestrian Countdown Signal Face 12-Inch	Each	66	\$ 8,765.46	\$ 201.42	\$ 13,293.61
71079	658.1120	Programmable Traffic Signal Face 5-12 Vertical	Each	3	\$ 9,242.10	\$ 3,561.21	\$ 10,683.62
71081	658.1110	Programmable Traffic Signal Face 3-12 Vertical	Each	5	\$ 8,891.10	\$ 2,165.86	\$ 10,829.30
71143	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	290	\$ 17.40	\$ 9.57	\$ 2,775.64
71145	652.0230	Conduit Rigid Nonmetallic Schedule 40 2 1/2-Inch	LF	170	\$ 6.80	\$ 9.55	\$ 1,623.46
71146	652.0615	Conduit Special 3-Inch	LF	45	\$ 1.80	\$ 17.16	\$ 771.99
71147	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	40	\$ 0.80	\$ 9.53	\$ 381.14
71154	655.0900	Traffic Signal EVP Detector Cable	LF	7,790	\$ 3,193.90	\$ 3.47	\$ 27,064.93
71156	SPV.009001	Cable Traffic Signal Loop Lead-In	LF	2,150	\$ 645.00	\$ 3.36	\$ 7,216.43
71170	655.0250	Cable Traffic Signal 9-14 AWG	LF	4,755	\$ 3,661.35	\$ 3.86	\$ 18,354.82
71171	655.0260	Cable Traffic Signal 12-14 AWG	LF	1,600	\$ 1,552.00	\$ 4.07	\$ 6,518.79
71172	SPV.0090.02	Cable Traffic Signal 17-14 AWG	LF	12,590	\$ 18,633.20	\$ 4.62	\$ 58,173.46
71173	SPV.0090.03	Cable Traffic Signal 20-14 AWG	LF	2,200	\$ 3,124.00	\$ 4.56	\$ 10,023.92
71176	674.0300	Remove Cable	LF	990	\$ -	\$ 1.10	\$ 1,088.65
71188	SPV.0060.06	Polymer Concrete Vault 13"x24"x18"	Each	9	\$ 2,023.29	\$ 377.66	\$ 3,398.91
71189	SPV.0060.07	Polymer Concrete Vault 17"x30"x18"	Each	3	\$ 807.69	\$ 425.24	\$ 1,275.73
71195	SPV.0060.08	Signal Standard 5'	Each	9	\$ 4,777.92	\$ 1,035.45	\$ 9,319.04
71197	SPV.0060.09	Signal Standard 13'	Each	48	\$ 32,473.44	\$ 1,191.48	\$ 57,191.11
71198	SPV.0060.10	Signal Standard 1' Extension	Each	33	\$ 1,563.21	\$ 105.73	\$ 3,489.09
71199	SPV.0060.11	Signal Standard 2' Extension	Each	3	\$ 257.91	\$ 147.09	\$ 441.26
71829	SPV.0060.12	Remove Temporary Wood Pole	Each	6	\$ -	\$ 345.47	\$ 2,072.79
71830	SPV.0105.03	WE Energies Service to Cabinet	LS	6	\$ -	\$ 1,200.00	\$ 7,200.00
73288	638.2602	Removing Signs Type II	Each	197	\$ -	\$ 6.11	\$ 1,204.11
73289	638.3000	Removing Small Sign Supports	Each	72	\$ -	\$ 10.19	\$ 733.47
73291	SPV.0060.13	Socket 3' RSP	Each	66	\$ 1,776.06	\$ 49.20	\$ 3,247.39
73292	SPV.0060.14	Socket (Concrete Install)	Each	12	\$ 177.00	\$ 46.36	\$ 556.35
73295	SPV.0060.15	Sign Pipe 2"	Each	78	\$ 1,539.72	\$ 25.22	\$ 1,967.34
73299	637.0202	Signs Reflective Type II	SF	861	\$ 5,260.71	\$ 13.52	\$ 11,637.98

TOTAL CITY COST \$ 534,601.38
TOTAL EXCLUDED COSTS \$ 294,595.60

APPROVED BY:

A handwritten signature in black ink that reads "Robert W. Bryson". The signature is fluid and cursive, with a large initial "R" and "B".

ROBERT W. BRYSON
CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION
TRAFFIC AND LIGHTING DESIGN UNIT
JOSEPH C. BLAKEMAN
REVISED: MAY 2, 2013

* Please note that the Total City Cost includes the embedded costs of mobilization, traffic control, mounting hardware, equipment removal, and construction staking electrical installations which are included in the times used for calculating City Unit Costs on the attached worksheets.